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Using words and phonetic strings for efficient information retrieval from imperfectly 97% 4 transcribed spoken documents

Michael J. Witbrock , Alexander G. Hauptmann Proceedings of the second ACM international conference on Digital libraries July 1997

An approach to speech synthesis and recognition on a digital computer 90% B. V. Bhimani , R. D. Merrill , R. P. Mitchell , M. R. Stark Proceedings of the 1966 21st national conference January 1966

The economics of storing, organizing, and interrogating the ever-increasing data bases that

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> computer users have to deal with dictates the use of large computers located alongside tape libraries that store the data. Such computers and libraries will necessarily serve a large population of widely scattered users. Moreover, many of the users may not be trained as computer programmers and their interests may not lie in the area of techniques of man-machine

communications. Such an inc ...

Jean-Luc Gauvain , Lori Lamel , Gilles Adda Communications of the ACM February 2000 Volume 43 Issue 2

High level knowledge sources in usable speech recognition systems

Transcribing broadcast news for audio and video indexing

S. L. Young , A. G. Hauptmann , W. H. Ward , E. T. Smith , P. Werner Communications of the ACM February 1989 Volume 32 Issue 2

The authors detail an integrated system which combines natural language processing with speech understanding in the context of a problem solving dialogue. The MINDS system uses a

variety of pragmatic knowledge sources to dynamically generate expectations of what a user is likely to say.

Technique for automatically correcting words in text Karen Kukich

ACM Computing Surveys (CSUR) December 1992 Volume 24 Issue 4

Research aimed at correcting words in text has focused on three progressively more difficult problems:(1) nonword error detection; (2) isolated-word error correction; and (3) context-dependent work correction. In response to the first problem, efficient pattern-matching and n-gram analysis techniques have been developed for detecting strings that do not appear in a given word list. In response to the second problem, a variety of general and application-specific spelling cor ...

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Proceedings of the annual conference August 1973

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Voice response systems D L. Lee , F H. Lochovsky ACM Computing Surveys (CSUR) December 1983 Volume 15 Issue 4

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8 LDC online: a digital library for linguistic research and development

83%

A Zhibiao Wu , Mark Liberman

Proceedings of the second ACM international conference on Digital libraries July 1997

9 Speech synthesis for computer assisted instruction: The MISS system and its applications William R. Sanders , Gerard V. Benbassat , Robert L. Smith

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The papers of the ACM SIGCSE-SIGCUE technical symposium on Computer science and education February 1976

The Institute for Mathematical Studies in the Social Sciences at Stanford (IMSSS) has developed a synthesis system, MISS (Microprogrammed Intoned Speech Synthesizer), designed to test the effectiveness of computer-generated speech in the context of complex CAI programs. No one method of computer controlled speech production is completely satisfactory for all the uses of computer-assisted instruction (CAI). The choice of synthesis method is strongly related to the kinds of curriculums and in ...

10 Detecting topical events in digital video

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Tanveer Syeda-Mahmood , S. Srinivasan

Proceedings of the eighth ACM international conference on Multimedia October 2000

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The detection of events is essential to high-level semantic querying of video databases. It is also a very challenging problem requiring the detection and integration of evidence for an event available in multiple information modalities, such as audio, video and language. This paper focuses on the detection of specific types of events, namely, topic of discussion events that occur in classroom/lecture environments. Specifically, we present a query-driven approach to the detection of topic of ...

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N. G. Denil Communications of the ACM July 1966 Volume 9 Issue 7

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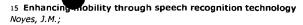
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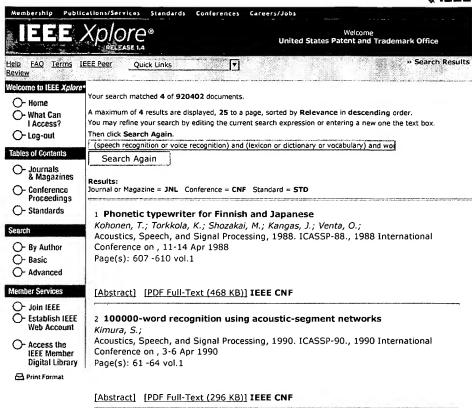
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